

JP 62108157

4/7/1

DIALOG(R)File 351:DERWENT WPI
(c)1998 Derwent Info Ltd. All rts. reserv.

007178277

WPI Acc No: 87-175286/198725

Antibody used as diagnostic drug for cancer - is prepd. using specified peptide chain as antigen

Patent Assignee: AJINOMOTO KK (AJIN)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 62108157	A	19870519	JP 85248639	A	19851106		198725 B
JP 95006982	B2	19950130	JP 85248639	A	19851106	G01N-033/53	199509

Priority Applications (No Type Date): JP 85248639 A 19851106

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 62108157	A		4			
JP 95006982	B2		4	Based on		JP 62108157

Abstract (Basic): JP 62108157 A

Antibody is obtained by using a peptide of formula (I) as the antigen

Thr-Ala-Glu-Asn-Pro-Glu-Tyr -Leu-Gly-Leu-Asp-Val-Pro-Val (I)

USE/ADVANTAGE - The antibody produced an antibody to the product of the C-erbB-2 gene concerning Carcinogenesis and the antibody is used

as a diagnostic drug for cancer. C-erbB-2 gene is a cellular gene having a structure similar to the V-erbB carcinogenetic gene of the erythroblast virus and a epithelial propagation factor receptor. The gene is thought to code the receptor of the propagation factor. The gene occurs during amplification or rearrangement at the adenocarcinoma of the human hypocondular gland.

In an example, the antigen protein was prepd. by selecting a peptide of formula (I) from C-erbB-2 gene structure. Synthesis of the peptide was carried out by solid phase process by means of Beckmann Co.-made 990B automatic peptide synthesis apparatus. The synthesised peptide was heated in 75% hydrogen fluoride/25% anisole at 0 deg.C for 30 mins. and the resultant peptide was eliminated from the resin.

Derwent Class: A96; B04; D16; S03

International Patent Class (Main): G01N-033/53

International Patent Class (Additional): A61K-039/39; A61K-039/395;

C07K-007/08; C07K-015/00; C07K-099/00; C07K-099-00; C12N-005/10;

C12N-015/02; C12P-021/02; G01N-033/574

JP 2150293:

English Translation of the claim of JP 62-108157:

62-108157

Application No.: 60-248639

Filing Date: November 6, 1985

Laid Open Date: May 19, 1987 (JP A 62-108157)

Pulication Date: January 30, 1995

Date of Official Decision to Grant a Patent:

August 1, 1997

Applicant: Nichirei

Title: Antibody

1. An antibody obtained by using a peptide bound to a carrier protein as an immunogen, wherein said peptide is:

Thr-Ala-Glu-Asn-Pro-Glu-Tyr-Leu-Gly-Leu-Asp-Val-Pro-Val.